

Title (en)
Improved in-line gas/liquid dispersion.

Title (de)
In-line Gas/Flüssigkeitsdispersion.

Title (fr)
Dispersion gaz/liquide en ligne.

Publication
EP 0477846 A1 19920401 (EN)

Application
EP 91116215 A 19910924

Priority
US 58774590 A 19900925

Abstract (en)
The dispersion of a gas in a liquid is enhanced by the use of an adjustable conical mixer (B,y) to control the flow of a gas/liquid mixture to a venturi device (5) used to accelerate the mixture to a supersonic velocity with subsequent deacceleration to subsonic velocity to produce sonic shock waves in the mixture. <IMAGE>

IPC 1-7
B01F 5/04

IPC 8 full level
B01F 3/04 (2006.01); **B01F 5/04** (2006.01); **B01J 10/00** (2006.01); **B01J 19/00** (2006.01); **B01J 19/26** (2006.01)

CPC (source: EP KR US)
B01F 25/00 (2022.01 - KR); **B01F 25/3122** (2022.01 - EP US); **B01J 10/002** (2013.01 - EP US); **B01J 19/006** (2013.01 - EP US); **B01J 19/26** (2013.01 - EP US); **B01J 2219/00162** (2013.01 - EP US); **B01J 2219/00774** (2013.01 - EP US); **Y10S 261/56** (2013.01 - EP US); **Y10S 261/75** (2013.01 - EP US); **Y10S 261/78** (2013.01 - EP US)

Citation (search report)

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US 58774590 A 19900925; BR 9104061 A 19910923; CA 2052150 A 19910924; DE 69114649 T 19910924; EP 91116215 A 19910924; ES 91116215 T 19910924; JP 27044891 A 19910924; KR 910016606 A 19910924; MX 9101246 A 19910924